IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lin, et al.

Group Art Unit: 1817

Serial No.:

08/182,183

Marianne P. Allen

Filed:

May 23, 1994

Docket No.:

Examiner:

SYNE-225-E

(SYNE225/C4-US)

For:

GLIAL CELL LINE-

DERIVED NEUROTROPHIC

FACTOR

Date:

January 9, 1998

POWER OF ATTORNEY BY ASSIGNEE

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

The undersigned Assignee of the entire interest in the above-identified application hereby revoke(s) the power of attorney heretofore appointed in this application, and hereby appoints the following attorneys: Steven M. Odre (Reg. No. 29,094), Ron K. Levy (Reg. No. 31,539) and Daniel R. Curry (Reg. No. 32,727) with full power to prosecute this application and to transact all business in the Patent Office connected therewith.

Please direct all telephone calls to Daniel R. Curry, at (805) 447-8102, and all correspondence relative to said application to the address below:

Assignee:

Amgen Inc.

-PL

Signature:

George A. Vandeman

Title:

Name:

Vice President, General Counsel and Secretary

Date:

January 9, 1998

U.S. Patent Operations/DRC M/S 10-1-B-431 AMGEN INC. One Amgen Center Drive Thousand Oaks, California 91320-1789

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Lin, et al.

Group Art Unit: 1818

Serial No.:

08/182,183

Examiner:

Marianne P. Allen

Filed:

May 23, 1994

Docket No.:

SYNE-225-E

(SYNE225/C4-US)

For:

GLIAL CELL LINE-

DERIVED NEUROTROPHIC

FACTOR

Date:

January 9, 1998

CERTIFICATE UNDER 37 CFR §3.73(b)

Assistant Commissioner of Patents and Trademarks

Washington, D.C. 20231

Sir:

Amgen Inc., a Delaware Corporation, certifies that it is the Assignee of the entire right, title and interest in the patent application identified above by virtue of a chain of title from the inventor's of the patent application identified above to the current Assignee as shown below.

1.

From: Synergen, Inc.

To: Amgen Inc.

The document was recorded in the Patent and Trademark Office at

Reel/Frame: 8371/0136

Number of pages: 8

The parent application (Patent Application Serial No. 08/182,183) of which the present 2. application is a divisional:

From: Inventors

To: Synergen, Inc.

The document was recorded in the Patent and Trademark Office at

Reel/Frame: 7107/0214

Number of pages: 7

Serial No.: 08/182,183

Copies of these assignment are attached.

The undersigned has reviewed the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

I further declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, and that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both (18 U.S.C. 1001), and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

January 9, 1998

Signature

Name:

George A. Vandeman

Title:

Vice President, General Counsel and Secretary

Please address future correspondence to:

U.S. Patent Operations/DRC M/S 10-1-B-431 AMGEN INC.

One Amgen Center Drive

Thousand Oaks, California 91320-1789

THE PATENT OFFICE IS HEREBY REQUESTED TO ACKNOWLEDGE RECEIPT OF THE FOLLOWING DOCUMENTS BY DATE STAMPING AND RETURNING THIS POST CARD

Serial No.: 08/182,183 Applicants: Lin et al.

Filed: May 23, 1994

Examiner: Marianne P. Allen

r'...'

Group Art Unit: 1817

Title: Glial Cell Line-Derived Neurotrophic Factor

2 pgs Certificate Under 37 CFR §3.73(b)

1 pg Power of Attorney by Assignee

8 pgs Assignment-Synergen, Inc. to Amgen Inc.

7 pgs Assignment -Inventors to Synergen, Inc.

S-225E

DRC/khh

Via First Class Mail

January 9, 1998

Amgen Inc. 1840 DeHavilland Drive Thousand Oaks, CA 91320-1789



Assistant Commissioner for Patents Washington DC 20231

UNITED ? S DEPARTMENT OF COMMERCE irademark Office Patent a. ASSISTANT SUPETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, 0 C. 20231

MOSN

APRIL 24, 1997

AMGEN DANIEL R. CURY U.S. PATENT OPERATIONS/DRC, DEPT. 431 1840 DEHAVILLAND DRIVE THOUSAND OAKS, CALIFORNIA 91320-1789



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT, IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/24/1997

REEL/FRAME: 8371/0136 NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SYNERGEN, INC.

DOC DATE: 12/31/1994

ASSIGNEE:

AMGEN INC.

1840 DEHAVILLAND DRIVE THOUSAND OAKS, CALIFORNIA 91320-1789

SERIAL NUMBER: 08453176 50-225 45 K PATENT NUMBER:

FILING DATE: 05/30/1995

ISSUE DATE:

SERIAL NUMBER: 08452242 50 225 US J

PATENT NUMBER:

FILING DATE: 05/26/1995

ISSUE DATE:

SERIAL NUMBER: 08452229 50 225 US J

PATENT NUMBER:

FILING DATE: 05/26/1995

ISSUE DATE:

SERIAL NUMBER: 08451374 S0 225 US H

PATENT NUMBER:

FILING DATE: 05/26/1995

ISSUE DATE:

8371/0136 PAGE 2

SERIAL NUMBER: 08453183 50-225 US G FILING DATE: 05/30/1995 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 08448245 SO225 US F FILING DATE: 05/23/1995 ISSUE DATE: PATENT NUMBER: SERIAL NUMBER: 08182183 50225 US E FILING DATE: 05/23/1994 ISSUE DATE: PATENT NUMBER: 50 225 USD SERIAL NUMBER: 08052541 FILING DATE: 04/20/1993 ISSUE DATE: PATENT NUMBER: SERIAL NUMBER: 07855413 50 225 USC FILING DATE: 03/19/1992 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 07788423 S0 225 USB A THE FILING DATE: 11/06/1991 ISSUE DATE: PATENT NUMBER: SERIAL NUMBER: 07774109 5 6 2 25 US A FILING DATE: 10/08/1991 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 07764685 SD 235 US O FILING DATE: 09/20/1991 ISSUE DATE: PATENT NUMBER: SERIAL NUMBER: 08446383 50325 US A FILING DATE: 05/22/1995 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 08340821 S 0 325 US O FILING DATE: 11/15/1994 PATENT NUMBER: ISSUE DATE:

DOROTHY RILEY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

. 03-04	1-1997 <u>FEB 24 1997</u>
Revised Form 270-:595 Rev. 3-331 NEW 2-24-97	RECEIPT A Commerce
To the Honorable Commissioner of 10036	65306 ad original documents or copy thereof.
1. Name of conveying party: Synergen, Inc. Additional name(s) of conveying party(les) attached? Yes No.	Name and address of receiving party(ies): Name: Arngen Inc. nternal Address:
3. Nature of conveyance:	Street Address: 1840 DeHavilland Drive
Security Agreement Change of Name Other	City: Thousand Oaks State: CA Z:p: 31320-1799
Execution Date: December 31, 1994	Additional name (s) & address(es) attached? Yes X No
 Application numbers: If this document is being filed together with a new application. A. Patent Application Nos.: 08/453,176; 08/452,242; 08/452,229; 08/451,374; 08/453,183; 08/448,245; 08/182,183; 08/052,541; 07/855,413; 07/788,423 07/774,109; 07/764,685; 08/446,383; 08/340,821 Additional numbers attached 	B. Patent Nos.
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: 14
Name: U.S. Patent Operations/DRC Internal Address: Dept. 431 Amgen Street Address: 1840 DeHavilland Drive City: Thousand Oaks State: CA Zip: 91320-1789	7. Total fee (37 CFR 3.41)\$ 560.00 Enclosed Authorized to be charged to deposit account. 8. Deposit account number: 01-0519 The Commissioner is hereby authorized to charge any additional filing fees which may be required or credit any overpayment to Deposit Account No. 01-0519
DO NOT USE	E THIS SPACE

410 UB 01-0519 03/33/97 0840317a 41.82 381 540.00ch

February 18, 1997

Date

CERTIFICATE OF MAILING

Total number of pages including cover sheet, attachments, and document:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of

9. Statement and signature.

the original document

Daniel R. Curry

Name of Person Signing

ASSIGNMENT OF PATENT RIGHTS

This Assignment of Patent Rights (hereafter, "Assignment") is made as of December 31, 1994 by Synergen, Inc., a Delaware corporation, having its principal place of business at c/o Amgen Inc., Amgen Center, 1840 Dehavilland Drive, Thousand Oaks, California 91320 (hereafter, "Synergen") to Amgen Inc., a Delaware corporation, having its principal place of business at Amgen Center, 1840 Dehavilland Drive, Thousand Oaks, California 91320 (hereafter, "Amgen").

RECITALS

- 1. Synergen is the exclusive owner of all right, title to, and interest in patent applications relating to Glial Cell Line-Derived Neurotrophic Factor pending in the United States Patent and Trademark Office and all foreign counterparts (referred to jointly hereafter as the "Patent Applications"), including those set forth on attached Exhibit A.
- 2. Synergen has agreed that the Patent Applications are unencumbered and that Synergen has full right and lawful authority to assign and convey the same in the manner set forth herein.
- 3. Synergen has agreed to transfer and assign all of its right, title to, and interest in the Patent Applications to Amgen.

AGREEMENT

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged. Synergen hereby sells, transfers and assigns to Amgen, its successors and assigns the entire right, title and interest in, to and under the Patent Applications, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and Patents and of all other countries which may be granted for such inventions, or any of them including divisional, continuation, continuation-in-part, renewal or substitute applications based on the above-identified Patent Applications, any reissue or re-examination of patents and Letters Patent, all such inventions and all rights in such

Patents and Letters Patent to be held and enjoyed by Amgen for its own use and enjoyment to the full end of the term or terms for which such Patents and Letters Patent may be granted.

Synergen further transfers and assigns all claims for damages and/or injunctive relief by reason of past infringement of the Patent Applications and all foreign counterparts thereto, with the right to sue for and collect the same for Amgen's own account and use.

Synergen further transfers and assigns to Amgen the full exclusive benefits of, and all rights, privileges and advantages appertaining to the Patent Applications.

IN WITNESS WHEREOF, the duly authorized representative of Synergen has executed this Assignment as of the date first written above.

Synorgen, Inc.

Name: Robert Amyeh

Title: Senior Vice President,

Finance & Corporate Development

EXHIBIT A

•	
Date Filed	<u>Tide</u>
05-30-95	Glial Cell Line-Derived Neurotrophic
• .	Factor ("GDNF")
05-26-95	Same
05-26-95	Same
05-26-95	Same
05-30-95	Same
05-23-95	Same
05-23-95	Same
04-20-93	Same
03-19-92	Same
	Same
10-08-91	Same
	Same
	Method for Using GDNF as a
	Neuroprotective Agent
11-15-94	Same
,	· · · · · · · · · · · · · · · · · · ·
Don Eled	Tida
Date Filed	<u>Title</u>
09-17-92	Glial Derived Neurotrophic Factor
09-17-92	Same
いフェミノ・フム	34116
09-17-92	Same
09-17-92 09-17-92	Same Same
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	05-30-95 05-26-95 05-26-95 05-26-95 05-30-95 05-23-95 04-20-93 03-19-92 11-06-91 10-08-91 09-20-91 05-22-95 11-15-94 Date Filed

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

		(CONVENTION GE	La liayo da 5 00	
1.		United States of America document		
2.	has been signed by	C. MICHI HASEGAWA		
3.	acting in th	e capacity of Notary Public	, State of Califor	rnia
4.	bears the s State of Ca	eal/stamp of <u>C. MICHI H/</u> difornia	ASEGAWA	Notary Public,
		CE	RTIFIED	
5.	at Sacrame	ento, California	· 6.	the 2ND DAY OF MAY 1996
7.	by Deputy	Secretary of State, State of	California	
8.	No NPC	2619		
9.	Seal/Stamp		10.	Signature:
	,			CE OF THE
SOS	/NP 28 12/95			

DO NOT USE THIS SPACE 090 BA 08/31/94 08182183

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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Rosemary P. Kellogg Name of Person Signing

ASSIGNMENT

WHEREAS, the undersigned inventors (referred to, collectively, if more than one, as "Assignor") have made an invention entitled GLIAL DERIVED NEUROTROPHIC FACTOR for which a PCT application was filed September 17, 1992 as PCT/US92/07888, and subsequently nationalized in the United States with an application for United States Letters Patent as application serial number 08/182,183, and

WHEREAS, the Synergen, Inc., a Delaware corporation ("Assignee") having a place of business at 1885 33rd Street, Boulder, Colorado, 80303, desires to acquire all right, title and interest in and to the above identified invention and application.

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the above identified invention and application, together with all corresponding foreign applications and patents which may be filed thereon, including the right to claim priority from the above identified United States application; and Assignor hereby agrees that Assignor will sign all lawful papers, including, without limitation, all divisional, continuation, renewal, extension and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the invention in all countries, this obligation to be binding upon Assignor (each and severally, if more than one) and upon Assignor's personal representative or other legal successor.

IN TESTIMONY WHEREOF, the undersigned Assignor (and

each of them, if more than one) ha	s signed below.
Date: 7/22/94	(signature) Leu-Fen H. Lin (print name) Address: 5875 In hard Creek Lane Boulder CO. 80301
STATE OF COLURADO COUNTY OF BOULDER	
this 22 The foregoing instrument day of	•
Witness my hand and offi My commission expires:	09/08/97
	Notary Public
Date:	(signature) Franklin D. Collins (print name) Address:
STATE OF	
The foregoing instrument this day of,	was acknowledged before me 19, by Franklin D. Collins.
Witness my hand and offi	cial seal.
My commission expires:	
	Notary Public

each of them, if more than one) ha	s signed below.
Date: 7/22/94	(signature) Leu-Fen H. Lin (print name) Address: 5875 12 hand Greek Lane Boulder Co. 50301
COUNTY OF BOULDER	
this Zzwi day of witness my hand and office	しょうしょ はんこうがんし しゃい トラー・オー しゅうしょうしん カー・バー・
My commission expires:	Notary Public
Date: 8-11-94	(signature) Franklin D. Collins (print name) Address: 29356 Lavo Dr.
COUNTY OF Vertura	agoura Hills, CA 91301
this II day of Hugust,	was acknowledged before me 1994, by Franklin D. Collins.
Witness my hand and offi My commission expires:	Snieley a- miler
SHERLEY A. MILLER COMM. 6929973 Notory Public — Coffornia VENTURA COUNTY My Comm. Expires J.A. 14.1996	Notary Public

Date: 7/	22/94	Ramolt Doron
, 7		(signature) Daniel H. Doherty
	•	(print name)
		Address: 719 Ithaca Dr
		Bowler (2) 80333
STATE OF	COLORADO)	
COUNTY OF	Boulder;	
_	· · · · · · · · · · · · · · · · · · ·	was acknowledged before me 19/7, by Daniel H. Doherty.
	Witness my hand and office	cial seal. ,
÷	My commission expires:	09/08/92
		45
		Notary Public
•		
Date:		
		(signature) Jack Lile
		(print name)
		Address:
STATE OF		
•)	
COUNTY OF)	
this	The foregoing instrument day of,	was acknowledged before me 19, by Jack Lile.
	Witness my hand and offic	cial seal.
	My commission expires:	
		Notary Public

Date:		
		(signature)
		Daniel H. Doherty
		(print name)
	•	Address:
	•	
STATE OF	{	
COUNTY OF		
this		was acknowledged before me 19, by Daniel H. Doherty.
	Witness my hand and offic	cial seal.
	My commission expires:	
		Notary Public
	•	•
Date: 7	/28(94	Lack file
	·	(signature) Jack Lile JACK Lile
		(print name)
		Address: 947 Cantar Vuta Rd
		93001
STATE OF	CALIFORNIA)	
	/2 /	•
COUNTY OF	Ventura }	e de la companya de
: -1.	The foregoing instrument	was acknowledged before me
this 28th	day of Juky,	was acknowledged before me 19, by Jack Lile.
	Witness my hand and office	cial seal.
	My commission expires:	500 79 1997
	my commission expires:	Sep 29 1997 Pita Dellilarn
	.	Notes Public
		Notary Public
	RTA A. WLSON	
N-A	CONN. # 1006084	
100	Profit - Catternia September 19 Profit - Catternia September 1	
My Co	mm. Expires SEP 29, 1997	

•	•
Date: 7/22/94	(signature) Susan Bektesh (print name)
	Address: 3344 34
	BOULDER CO 80301
COUNTY OF BOULDER	· · · · · · · · · · · · · · · · · · ·
this day of	t was acknowledged before me , 19/7, by Susan Bektesh.
Witness my hand and off:	icial seal. ,
My commission expires:	09/08/97
·	Notary Public

synergen\225\assign.c4 /tec

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